

INDEBTEDNESS OF PRECINCT, FEB. 1, 1880.

State house debt,	\$47,000.00
Water-Works debt,	350,000.00
Sewer debt,	40,000.00
Accrued interest on \$47,000 State House bonds,	470.00
Accrued interest on \$40,000 Sewer loan,	400.00
Coupons due and not presented :	
Precinct,	165.00
Water-Works,	672.00
	<hr/> \$438,707.00
Precinct assets :	
City Water-Works,	\$350,000.00
	<hr/>
Indebtedness of precinct above assets,	\$88,707.00
City and precinct indebtedness above assets, Feb. 1, 1879,	\$247,934.39
City and precinct indebtedness above assets, Feb. 1, 1880,	220,694.11
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Reduction of debt for the year,	\$27,240.28

NOTE. In the accounts of outstanding claims and precinct indebtedness are included all coupons due and not presented, and all accrued interest, to Feb. 1, 1880, as well as all other claims against the city and precinct. From available assets is allowed \$4,500 for estimated abatements: the uncollected taxes are set down in available assets that sum less than they appear in the collector's warrants. In the report of 1879, among precinct assets, was erroneously included \$1,192.84, being an unexpended balance on sewer account. Add that sum to \$87,538.16, the reported precinct indebtedness above assets in 1879, and we have \$88,731.00 as the actual indebtedness at that date.

POLLS, VALUATION, AND TAXES ASSESSED.

The number of polls, and the tax assessed on the real and personal estate in the city of Concord, since 1860 :

Year.	No. of Polls.	Valuation.	Tax.
1860	2,577	\$4,807,192	\$47,082.25
1861	2,497	4,423,936	46,290.48
1862	2,350	4,308,568	50,945.01
1863	2,454	3,775,206	60,293.82
1864	2,539	3,832,800	89,931.97
1865	2,495	5,549,002	158,787.29
1866	2,762	4,934,082	116,192.97
1867	2,822	5,006,774	145,173.49
1868	3,120	5,378,365	126,889.71
1869	3,205	5,581,459	146,791.64
1870	3,187	5,751,928	133,953.94
1871	3,338	5,891,993	137,844.70
1872	3,767	5,917,054	141,122.97
1873	3,613	9,012,650	158,281.13
1874	3,784	9,000,526	171,045.61
1875	3,941	9,216,195	175,234.68
1876	3,911	9,222,625	163,768.29
1877.	Polls.	Valuation.	Tax.
Ward 1,	459	\$828,067	\$12,786.58
2,	276	412,928	5,787.75
3,	235	380,565	5,799.05
4,	988	1,932,937	38,652.21
5,	750	2,817,120	54,198.46
6,	848	2,359,665	47,094.53
7,	459	673,835	9,761.89
Non-resident,			2,960.30
	4015	\$9,405,117	\$177,040.27
1878.	Polls.	Valuation.	Tax.
Ward 1,	459	\$817,554	\$12,351.59
2,	283	414,295	8,484.99
3,	243	377,926	5,363.49
4,	923	1,941,494	35,478.90
5,	711	2,731,850	49,745.34
6,	812	2,290,421	41,812.50
7,	428	667,945	8,827.77
Non-resident,			2,991.50
	3,869	\$9,241,485	\$165,056.08
1879.	Polls.	Valuation.	Tax.
Ward 1,	369	\$824,386	\$11,893.66
2,	243	476,565	5,693.04
3,	230	414,530	5,229.97
4,	866	2,217,922	33,902.62
5,	655	3,582,666	51,007.02
6,	772	2,472,115	38,243.60
7,	401	616,281	7,566.83
Non-resident,			2,428.25
	3536	\$10,604,465	\$155,964.99

EIGHTH ANNUAL REPORT

OF THE

BOARD OF WATER COMMISSIONERS TO THE CITY
COUNCIL, FOR THE YEAR ENDING JANUARY 31,
1880.

BOARD OF WATER COMMISSIONERS.

HORACE A. BROWN, Mayor, *ex-officio*.

JOHN KIMBALL.....to March 31, 1880.
WILLIAM M. CHASE.....to March 31, 1880.
JAMES R. HILL.....to March 31, 1881.
JAMES L. MASON.....to March 31, 1881.
SAMUEL S. KIMBALL.....to March 31, 1882.
LUTHER P. DURGIN.....to March 31, 1882.

OFFICERS.

JOHN KIMBALL, *President*.

WILLIAM M. CHASE, *Clerk*.

CHARLES C. LUND, *Engineer*.

V. C. HASTINGS, *Superintendent*.

REPORT.

To the City Council :

The Board of Water Commissioners herewith present their Eighth Annual Report for the year ending January 31, 1880.

We are gratified to report the continued success of the works ; that our receipts have increased ; our expenses for care and maintenance diminished ; and the number of families supplied is one hundred and forty-six more than one year ago.

The amounts received are as follows :

For the year ending January 31, 1874,	\$4,431.10
For fifteen months ending April 1, 1875,	17,535.00
For the year ending April 1, 1876,	16,921.24
For the year ending April 1, 1877,	19,001.07
For the year ending April 1, 1878,	20,763.03
For the year ending April 1, 1879,	21,869.86
For the year ending April 1, 1880,	22,451.53
—a gain of \$581.67 the past year.	

EXTENSIONS.

The increasing demand for water on Hall street has been supplied by laying a four-inch pipe from Turnpike through Gas street, across the Concord Railroad and land of James Thompson, to Hall street, a distance of 663 feet ; thence south on Hall street, 371 feet ; thence, on the same street,

222 feet of one-inch pipe to the Count Rumford place. This pipe is furnished with a branch for Holt Brothers, and the Concord Gas-Light Co. for a private hydrant, and a blow-off near the Concord Railroad.

A four-inch pipe has been laid in Depot street, east from Main, 137 feet.

There has been laid during the year, for distribution purposes, 1171 feet of four inch, 379 feet of one-inch, 260 feet of three-fourths-inch pipe. Sixty-eight three-fourths-inch service pipes have been laid, amounting to 1700 feet, and one two-inch, amounting to 15 feet.

SUPPLY OF WATER.

The average supply of water in the pond has been larger than during the previous year. The highest was June 12, being 182.60 feet, and the lowest December 6, being 177.10 feet.

The water runs over the waste way at 184.75; consequently the pond lacked two feet and two inches of being full June 12.

The height of the water on the first day of each month during the year 1879 was as follows :

January,	178.90	July,	182.20
February,	178.85	August,	181.10
March,	178.40	September,	180.00
April,	178.70	October,	179.45
May,	181.80	November,	178.00
June,	182.30	December,	177.20

Since the construction of the dam the average height of the water in each year has been as follows :

1873,	175.86	1877,	176.46
1874,	179.50	1878,	179.50
1875,	180.00	1879,	179.74
1876,	180.28		

IMPROVEMENTS.

The rough stone-wall on the north side of the Cooledge lot has been removed, and a neat fence built to supply its place. Heretofore, if the water had been raised so as to fill the pond and flow over the waste-way, a part of the highway on the West Parish road would have been overflowed, and rendered impassable. The stone taken from the wall has been used to raise said road, and the balance reserved to build a passage from the barn to the west field. The road is now secure at the highest stage of the water.

TABLE

*Showing Summary of Main, Distribution, and Service Pipes
now laid and in use.*

30-inch main,	1,950 ft.
16-inch "	151 "
14-inch "	13,556 "
14-inch distribution,	3,704 "
12-inch "	1,622 "
10-inch "	3,034 "
8-inch "	8,667 "
6-inch "	37,911 "
4-inch "	45,240 "
1-inch "	11,747 "
$\frac{3}{4}$ -inch "	9,880 "
Total,	137,412 ft.
—equal to 26.03 miles.	

1,648 service pipes, or 36,054 feet.
 95 public hydrants.
 12 private hydrants.
 135 stop-gates.

Water is now supplied for the following uses :

1914 families,	95 stores,
156 bath-tubs,	3 railroads,
380 water-closets,	1 gas-works,
320 wash-basins,	21 stationary engines,
49 urinals,	2 book-binderies,
648 yard hydrants,	5 printing establishments,
95 fire hydrants,	1 organ manufactory,
12 private fire hydrants,	4 carriage manufactories,
44 heating apparatus,	1 soap manufactory,
4 hotels,	5 public watering-troughs,
2 greenhouses,	5 photographers,
10 fountains,	2 foundries,
7 churches,	1 tannery,
5 school-houses,	1 bakery,
1 state house,	4 eating-houses,
2 state prisons,	23 mechanics' shops,
7 livery stables,	9 barber shops,
476 horses and cows,	8 saloons,
1 Odd Fellows hall,	1 jail,
1 Masonic hall,	4 cemeteries,
5 city buildings,	3 street sprinklers,
61 offices,	1 drinking fountain,
5 banks,	1 brick yard,
1 post-office,	5 water motors.

By the water-rates heretofore established, the burden of supporting the Water-works has been almost wholly thrown upon the water consumers. The large amount of property within the precinct that is so well protected against fire by the works, has not contributed its just share towards their maintenance. Therefore the Board have made the following changes in the rates for the purpose of obviating in a measure this injustice. It will be seen that these changes consist mainly in reducing the family rates and taxing the property in the precinct for the use of the public fire hydrants.

ANNUAL RATES.

A family of not over 2 persons,	\$4.00
A family of over two persons and not over 8,	5.00
Each additional person over 8,	.50

Bath-tub, for not over 8 persons,	\$3.00
Each additional person over 8,	.50
Barber shops, for each chair,	3.00
Fountains, flowing 12 hours per day for 5 months	
from $\frac{1}{16}$ to $\frac{1}{8}$ inch opening,	3.00 to 8.00
Heating apparatus for houses,	2.00
Horse or cow, each,	1.00
Hose, for washing windows, sprinkling grounds, and washing carriages where 2 horses or less are kept, for the season, to be used not more than one hour each day,	3.00 to 6.00
Hose, for washing carriages, each horse over 2, in addition to the above,	.50
Hydrant, public and private,	50.00
No charge will be made for the use of private hydrants when the parties use water for other purposes to the amount of \$50.00 an- nually for each of such hydrants.	
Meter rates for manufacturing and other purposes:	
When the quantity used averages not over 300 gallons per day, per 1000 gallons,	.25
When the quantity used averages from 300 to 500 gallons per day, per 1000 gallons,	.20
When the quantity used averages from 500 to 1000 gallons per day, per 1000 gallons,	.16
When the quantity used averages over 1000 gallons per day, per 1000 gallons,	.13 $\frac{1}{2}$
Motors,—special rate.	
Office,	2.00
Steam engines, determined by meter or special rate.	
Stores and markets,	4.00 to 15.00
Street sprinklers, per annum, for each stand pipe, 100.00	
Trough, public watering,	20.00
Urinals, self-closing, for not over 8 persons,	2.00
Each additional person over 8,	.25
Wash-bowl, set, each,	.50
Water-closet, self-closing, for not over 8 persons,	3.00
Each additional person over 8,	.50

Workmen employed in manufactories, machine-shops, and other establishments not specified elsewhere, each, \$.50

When water is used for purposes not specified in the foregoing, the rate shall be fixed by the Water Commissioners.

REGULATIONS.

APPLICATIONS.

Every person desiring a supply of water must make an application therefor to the Board of Water Commissioners, in such form as may be prescribed by it for that purpose. Blanks for such applications will be furnished at the office of the board.

The application must state truly and fully all the uses to which the water is to be applied ; and should any other use thereafter be desired, notice of the same must be given to the board, and permission therefor obtained.

Blanks shall be furnished to every water-taker in the month of August of each year, upon which a statement shall be made of the number of persons and uses for which they desire water for the year ensuing, to be returned to the superintendent on or before September 15.

SERVICE PIPES.

Service pipes will be provided and maintained by the city from the mains to the side lines of the streets, of such sizes and in such locations as may be determined by the board. All further pipes must be provided and maintained by the person supplied with water.

No service pipes will be laid for any water-rate less than four dollars per year.

Every service pipe must be provided with a stop and waste-cock on the inside of the cellar or foundation wall, and near where the pipe passes through the same, easily accessible, and

fully protected from freezing; and all pipes in buildings must be laid in such a way that they can be fully drained by that waste. When different families or tenants are supplied with water in the same building, a suitable stop and waste-cock must be provided for each.

PIPES AND FIXTURES.

All pipes, fixtures, and apparatus must be examined and approved by the board or its agents before water is supplied to them; and all alterations and additions must be notified to and approved by the same before they are put in use.

The pipes, fixtures, and apparatus provided by parties supplied must be kept by them in good order, and repairs be made whenever required by the board.

USE OF WATER.

No person supplied with water shall make or allow its use for any other purpose than stated in his application, or for which permission has been duly obtained; and all persons taking the water shall prevent any unnecessary waste thereof. *The water must not be left running, to prevent freezing, or kept running at any time longer than necessary in its proper use.*

INSPECTIONS.

The agents of the board must be allowed to inspect all pipes, fixtures, and apparatus, and to control the stop and waste-cock, whenever they may desire. They must also be allowed, whenever they think proper, to make examinations to ascertain the quantity of water used, the manner of its use, and whether any improper use or waste be made, and no concealment of its uses must be made by any party.

STOPPAGE.

The board and its agents will have the right to stop the water from any pipes for repairs or other purposes whenever they may deem it advisable, without notice.

USE OF HOSE.

Hose shall not be used unless it has been properly applied for and allowed by the board, and shall not be used without a nozzle; and the nozzle shall not exceed one fourth of an inch in diameter, unless specially authorized.

The use of hose for sprinkling pavements and grounds, washing windows and carriages, must not exceed one hour in any one day, and must be confined to the purposes specified in the application, without excessive or unreasonable use, and to the premises of the applicant.

PLUMBERS' RETURNS.

Plumbers shall make full returns, in writing, to the superintendent, weekly, of the ordinary and special uses for which the water is designed, and for all new work or alterations, or additions to pipes and fixtures.

RATES—WHEN PAYABLE.

All rates, except for meters, will be due and payable semi-annually, *in advance*, on the first day of April and October in each year.

All bills remaining unpaid twenty days after due *will be chargeable with an addition of five (5) per cent.*; and the limit of time allowed for payment will not be extended beyond fifteen days thereafter; and in all cases of non-payment of the water-rent within that limit the supply shall be cut off, and the water will not again be let on except upon the payment of the rent due, and the sum of two dollars for cutting off and turning on the water.

Rents and rates for meters will be payable on demand.

ABATEMENTS.

Any person whose tenement may become vacant shall receive an abatement of the water-rates appertaining to that tenement, upon the following terms and conditions: He shall

sign, upon the books of the Water Board, at the office of their superintendent, notice that such vacancy exists, and a request that an abatement may be made on account thereof; and after such notice is given, an abatement shall be made for the number of *whole* calendar months that the vacancy shall continue, *provided* he shall give similar notice at the office of the superintendent when the tenement is again occupied, but not otherwise. If the rates have been paid in advance, on account of which an abatement is due as aforesaid, the amount abated shall be repaid at the office of the superintendent at the semi-annual payment next after the time from which the abatement is claimed.

TABLE

Showing Receipts and Expenditures.

RECEIPTS FOR THE YEAR 1879.

Amount received as per register from Feb.	
1, 1879, to Jan. 31, 1880,	\$21,888.93
Extra from delinquents,	60.28
For building purposes,	38.14
use of meters,	30.70
rent of stable at dam,	40.00
rent of Cooledge lot,	10.00
rent of Cooledge house,	55.37
rent of kit factory,	392.00
pipe and old lead sold,	13.77
	<hr/>
	\$22,529.19
Deduct abatements,	77.66
	<hr/>
	\$22,451.53

EXPENDITURES.

Paid V. C. Hastings, salary,	\$1,200.00
Nath. White, rent of office,	300.00
Morrill & Silsby, printing, &c.,	67.75
Concord Gas-Light Co., gas,	17.96
Ranlet & Prescott, coal,	13.50
G. S. Locke & Co., wood and coal,	19.09
Woodbridge Odlin, auditor,	5.00
Edwin Byrnes, salary,	480.00
Pay-roll, laborers,	361.82
Geo. Goodhue, pipe, &c.,	298.88
John A. White, pipe and machine work,	20.52
Nath. White, pipe,	39.94
L. R. Fellows, pipe,	28.88
Walworth Mfg. Co., pipe and tools,	50.85
Ford & Kimball, castings,	29.44
Pattee & Perkins, hydrant,	35.00
Stevens & Duncklee, iron-work,	10.08
D. O. Smith, blacksmith work,	13.33
Humphrey, Dodge & Smith, hardware,	20.29
Gust Walker, hardware,	16.09
Frank Coffin, cement,	75.50
Woodworth, Dodge & Co., cement,	7.50
Batchelder & Co., oil, &c.,	1.93

Paid C. H. Martin & Co., lead and oil,	\$1.21	
Hammond & Ayers, paper, &c.,	8.66	
Geo. Abbott, Jr., labor, &c.,	4.91	
Stephen Sewell, trucking,	17.70	
Nahum Robinson, mason-work,	5.69	
Thompson Rowell & Co., concrete,	7.00	
Elisha Piper, charcoal,	1.50	
C. P. Rowell, labor,	3.00	
W. K. Holt & Co., chestnut plank,	21.29	
E. B. Hutchinson, lumber,	68.63	
Mead & Mason, “	1.08	
Moses Humphrey, repairs on kit shop,	28.31	
O. F. Richardson, labor,	43.75	
C. O. Foss, engineer,	3.25	
T. & R. Shanahan, drawing stone,	50.00	
Incidental expense,	25.50	
	<hr/>	\$3,404.83
Divided as follows :		
For distribution and service pipes,	\$936.83	
care and maintenance of works,	2,468.00	
	<hr/>	\$3,404.83

The superintendent has compiled from the reports of thirty cities in the United States the following table of rates, which is inserted for general information :

Cities.	Family rate.	Water-closet.	Bath-tub.	Wash-bowl.	Wash-tub.	Horse.	Cow.	Hose rate.	Total.
Concord, N. H.....	\$5.00	\$3.00	\$3.90	\$0.50		\$1.00	\$1.00	\$3.00	\$16.50
Lynn, Mass.....	6.00	5.00	5.00	2.00	\$2.00	5.00	1.50	3.00	29.50
Lawrence, Mass.....	5.00	4.00	3.00		1.00	3.00	1.50	2.50	20.00
Fitchburg, Mass.....	6.00	5.00	5.00	2.00	2.00	8.00	2.00	5.00	35.00
Newton, Mass.....	6.00	5.00	5.00	2.00	1.00	10.00	1.50	5.00	35.50
Cambridge, Mass.....	7.00	6.00	6.00	2.50	2.50	5.00	2.00	10.00	41.00
Providence, R. I.....	6.00	5.00	5.00	2.00	3.00	4.00	1.00	5.00	31.00
Taunton, Mass.....	5.00	5.00	3.00	2.00	2.00	4.00	1.50	5.00	27.50
Lowell, Mass.....	6.00	4.00	3.00		1.00	4.00	2.00	3.00	23.00
Fall River, Mass.....	5.00	5.00	5.00	2.50	2.50	4.00	1.00	6.00	31.00
Brooklyn, N. Y.....	16.00	2.00				5.00	.75	5.50	29.25
Albany, N. Y.....	18.00	2.00				3.00		8.00	31.00
Buffalo, N. Y.....	20.00	8.00	5.00			4.00	1.50	5.00	43.50
Niagara Falls, N. Y.....	9.00	3.00	3.00			3.00	1.50	6.00	25.50
Detroit, Mich.....	7.00	3.00	2.00	1.25	2.00	4.00	1.00	3.00	23.25
Cincinnati, O.....	14.00	8.00	6.00	1.00		5.00		4.80	33.80
Cleveland, O.....	10.00	5.00	2.50			2.50	1.50		21.50
Toledo, O.....	10.25	2.50	3.50	2.00		5.00		5.00	28.25
Chicago, Ill.....	19.00	5.00	3.00			4.00		3.00	34.00
Alton, Ill.....	7.00	5.00	8.00			8.00	2.00	9.00	39.00
Philadelphia, Pa.....	8.75	2.00	3.00	1.00	1.00	3.00		9.00	27.75
Pittsburgh, Pa.....	27.77	7.55	10.85	8.25		8.25	2.05	6.88	71.60
Milwaukee, Wis.....	11.50	5.00	3.00	2.00		4.00	1.00	8.00	34.50
Salem, Mass.....	3.50	5.00	5.00	1.50		6.00	1.00	3.00	25.00
Hartford, Conn.....	5.00	3.00	1.00			4.00	1.00	3.00	17.00
Louisville, Ky.....	10.00	3.00	4.00		1.00	5.00	1.00	7.50	31.50
Grand Rapids, Mich....	8.00	4.50	3.75	2.00	3.00	2.50	1.00	2.00	26.75
Springfield, Mass.....	8.00	4.00	4.00			4.00	2.00	5.00	27.00
West Springfield, Mass...	8.50	4.00	4.00			4.00	2.00		22.50
Northampton, Mass.....	6.00	2.00	2.00			2.00	1.00	3.00	16.00
Holyoke, Mass.....	6.00	3.00	3.00			3.00	1.00	2.00	18.00

Estimate of Receipts and Expenditures for 1880.

RECEIPTS.

From water and other rents, at the revised rates,	\$19,900	
tax on the public fire hydrants,	4,600	
	<hr/>	\$24,500

EXPENDITURES.

For interest on the water debt,	\$21,000	
care and maintenance of works,	2,500	
extension of distribution and ser- vice pipes,	1,000	
	<hr/>	\$24,500

Respectfully submitted,

JOHN KIMBALL,
WILLIAM M. CHASE,
JAMES R. HILL,
JAMES L. MASON,
SAMUEL S. KIMBALL,
LUTHER P. DURGIN,
HORACE A. BROWN, *ex-officio*,
Commissioners.

TREASURER'S REPORT.

WILLIAM F. THAYER, *Treasurer*,

In account with CONCORD WATER-WORKS.

RECEIPTS.

Balance cash on hand Feb. 1, 1879,	\$1,407.87	
Income of Water-Works,	22,451.53	
City of Concord Precinct tax,	2,500.00	
	\$26,359.40	

EXPENDITURES.

Paid interest on bonds,	\$20,820.00	
Maintenance, extension, &c.,	3,404.83	
Balance cash on hand,	2,134.57	
	\$26,359.40	

Feb. 2, 1880. Balance cash on hand, \$2,134.57

Respectfully submitted,

WM. F. THAYER, *Treasurer*.

We hereby certify that we have examined the books of the City Treasurer, and those of the City Clerk, and find all the payments therein recorded properly authenticated by appropriate vouchers, and the several items correctly cast; and the cash balance in the hands of the treasurer is two thousand one hundred and thirty-four dollars and fifty-seven cents (\$2,134.57).

HORACE A. BROWN, *Mayor*,
HENRY W. CLAPP,
F. J. BATCHELDER,
F. L. SANDERS,

Committee on Finance.

REPORT

OF THE

COMMITTEE ON THE CITY FARM.

The Joint Standing Committee on the City Farm respectfully submit the Twenty-seventh Annual Report of receipts and expenditures of the farm for the year ending February 1, 1880.

The inventory of the personal property has been made with considerable care, and is \$894.28 below the appraisal of one year ago, the object being to make it approximate actual values. In the opinion of the committee, the real estate has been appraised in the past above its present value ; but the board of aldermen have instructed them to make it as set down in the inventory. The products of the farm have been fully equal to those of any previous year, and are ample for the wants of the establishment.

In addition to the expenses of the farm as shown in the annexed statement, there has been an expenditure of \$150 in relaying the underpinning of the barn, and flagging-stone for the cellar of the same, making a suitable place for swine, which was much needed. This item is not charged to the farm. As an off-set to this, the income of the stone quarries has been paid into the general treasury of the city, amounting to \$146.45.

Two bills, amounting to \$67.80, have been presented to the committee for payment, that were contracted in 1877, and that appear to have been audited and allowed by the committee for that year, but not paid ; and the superintendent claims that there is a balance of salary due him for the years 1876-7. There are uncollected bills in favor of the farm for those years, of sufficient amount, probably, to meet

these outstanding claims,—which may explain why they were not settled at that time.

The committee have endeavored to be thorough in their investigation of the affairs of the farm, and believe that the exhibit made in this report represents its actual financial condition. That it has not met its expenses the past year is true ; but while the city make the place both an almshouse and house of correction, it cannot be operated without expense, and if the income of the farm is not sufficient for the purpose, the deficit must be met from the city treasury.

The committee express their satisfaction with the general management of the farm, and with the attention and care of the superintendent and matron for those committed to their charge.

HORACE A. BROWN,
B. T. PUTNEY,
N. H. SHATTUCK,
FRANK J. BATCHELDER,
Committee.

INVENTORY OF PROPERTY AT CITY FARM, FEBRUARY 1, 1880.

Farm and buildings,		\$15,000.00
	LIVE STOCK.	
7 cows,		\$280.00
7 cows,		210.00
1 bull,		20.00
2 horses,		150.00
6 shotes,		24.00
20 fowls,		15.00
		— \$699.00
	HAY AND GRAIN.	
17 tons English hay,		\$238.00
8 “ stock hay,		64.00
2 “ oat straw,		24.00
1 “ rye straw,		10.00
5 “ corn-fodder,		40.00

430 bushels corn,	\$301.00	
6 " rye,	6.00	
80 " oats,	48.00	
7 " buckwheat,	7.00	
3 " grass seed,	6.75	
1 barrel pop corn,	3.00	
	<hr/>	\$747.75

FARMING TOOLS.

5 plows,	\$45.00
1 two-horse sled,	10.00
1 ox-sled (traverse),	30.00
1 pung sleigh,	25.00
1 express wagon,	50.00
1 two-horse sled (traverse),	35.00
1 mowing-machine,	75.00
1 knife-grinder,	10.00
1 horse-rake,	35.00
2 buffalo-ropes,	25.00
5 yokes,	10.00
2 cultivators,	10.00
3 harrows,	15.00
2 hay-cutters,	15.00
1 set harness,	20.00
1 " "	10.00
1 single harness,	12.00
1 set draft harness,	15.00
10 hay forks,	3.00
12 feed-boxes,	2.00
2 two-horse carts,	130.00
1 two-horse wagon,	100.00
2 cart spires,	3.00
1 fan mill,	5.00
5 bushel baskets,	2.00
1 set dry measures,	1.00
5 manure forks,	3.00
6 draft-chains,	7.00
4 small chains,	1.00
6 hoes,	1.50
2 garden hoes,	.50
2 manure hooks,	1.00
6 shovels,	3.00

2 picks,	\$2.00
5 whiffletrees,	7.00
2 iron bars,	3.00
1 witch-chain,	.75
1 ox-cart body,	10.00
2 screw wrenches,	1.00
1 hammer,	.50
4 corn-cutters,	.80
4 ox-muzzles,	1.50
2 steelyards,	1.50
1 mallet,	.25
4 chisels,	1.50
1 garden rake,	.25
2 cross-cut saws,	6.00
1 jack screw,	4.00
1 bit-stock and 13 bits,	4.00
1 scalding-tub,	2.00
1 hand-saw,	.75
1 pair pole-straps,	1.50
4 halters,	2.00
1 drag-rake,	1.00
3 planes,	3.00
3 augers,	1.50
6 axes,	3.00
1 grindstone,	3.00
4 scythes and snaths,	2.00
4 bush scythes and two snaths,	3.00
50 feet rope,	1.00
10 rakes,	1.50
1 spread chain,	1.50
3 wood-saws,	2.00
1 stone drag,	.50
4 ladders,	1.50
1 wheelbarrow,	6.00
1 spade fork,	1.00
1 branding-iron,	1.00
1 oil-stone,	1.00
1 pair-whiffletrees and evener,	3.50
1 saw-set,	1.00
1 grain cradle,	3.50
1 spade,	1.00
1 pair ice-tongs and two ice-hooks,	1.50
	<hr/>
	\$805.30

PROVISIONS AND FAMILY STORES.

225 lbs. ham,	\$22.50
400 lbs. salt pork,	36.00
70 lbs. sausage,	8.40
75 lbs. lard,	9.00
75 lbs. fresh meat,	7.50
10 lbs. butter,	3.00
25 gallons vinegar,	10.00
2 vinegar casks,	2.00
2 gallons boiled cider,	1.50
2 barrels flour,	18.00
15 barrels meal,	37.50
50 lbs. dried apple,	2.50
75 dry casks,	7.50
16 cords dry wood,	64.00
45 cords green wood,	45.00
2000 ft. lumber,	16.00
1 meat-saw,	1.25
$\frac{1}{2}$ doz. files,	.50
dairy utensils,	10.00
4 bushels c. f. salt,	2.40
1 pound tea,	.60
3 pounds coffee,	.99
17 " salt fish,	1.19
11 bbls. apples,	18.25
80 gallons cider,	4.80
10 cider casks,	3.00
325 bushels No. 1 potatoes,	195.00
20 " beets,	8.00
40 " mangolds,	12.00
1 " peas,	3.00
10 " white beans,	25.00
2 " speckled beans,	4.00
20 " turnips,	6.00
50 " carrots,	16.50
1 bbl. soap,	4.00
175 pounds sugar,	17.50
5 gallons molasses,	2.50
320 chestnut posts,	22.40
	<hr/>
	\$651.28

HOUSEHOLD FURNITURE.

1 washing-machine,	\$5.00	
1 clothes-wringer,	7.00	
Beds, bedding, and furniture,	502.73	
	<hr/>	\$514.73
		<hr/>
		\$18,418.06

RECEIPTS.

From live stock,	\$230.80	
vegetables,	32.45	
wood and lumber,	43.16	
boarding,	739.38	
clothing and bedding,	15.25	
provisions,	229.29	
expense,	14.86	
labor,	40.23	
dairy,	203.18	
hay and grain,	182.34	
	<hr/>	\$1,730.94

EXPENDITURES.

For live stock,	\$222.50	
farming tools,	39.85	
wood and lumber,	4.98	
repairs and improvements,	42.28	
clothing and bedding,	65.96	
provisions,	345.05	
hay and grain,	91.75	
expense,	231.50	
labor,	1,200.75	
	<hr/>	\$2,244.62

STATEMENT.

Appraised value of farm and buildings,		
Feb. 1, 1879,	\$15,000.00	
Appraised value of personal property,		
Feb. 1, 1879,	4,312.34	
	<hr/>	\$19,312.34

Appraised value of farm and buildings, Feb. 1, 1880,	\$15,000.00	
Appraised value of personal property, Feb. 1, 1880,	3,418.06	
	<hr/>	\$18,418.06
Decrease,		<hr/> 894.28

CASH ACCOUNT.

Cash on hand, Feb. 1, 1879, received since,	\$201.96 2,170.57	
	<hr/>	\$2,372.53
Cash paid out,		1,720.30
		<hr/>
Cash on hand, Feb. 1, 1880,		\$652.23
Bills payable, receivable,	\$1,495.49 613.65	
	<hr/>	\$881.84
Against the farm,		<hr/> \$229.61

COUNTY PAUPERS

Supported at City Farm during the Year ending Feb. 1, 1880.

Names.	Age.	No. of days at Farm.
Jas. W. Powers,	77	365
Joseph Glines,	83	365
Orrilla Batchelder,	68	365
Sarah J. Sargent,	49	365
Eleazer Davis,	89	117
John Uran,	85	4
Joseph H. Morrill (age unknown),		117
Joseph Stiles,	65	63
Henry Davis,	68	63
Chas. Kenniston,	71	63
John Guy,	69	63
Thos. Knowles,	38	63
Wm. Stewart,	75	63
Obed Stewart,	72	63
Ann Smith,	55	66

Eliza White,	67	66
Aphia A. Haynes,	61	66
Rosella Jackman (age unknown),		66
Caroline Brown,	67	66
Hannah Rand,	62	117
Jas. Drew,	69	114
Geo. Cochran,	8	119
Freddie Cochran,	6	119
Arthur A. Sherman,		36
John Long,		51

CITY PAUPERS.

John B. Crummett,	72	365
Eunice Rivers,	20	119
John A. Rivers,		119
Jas. W. Harriman,	40	156
		<hr/>
		3,784

days, or $10\frac{1}{2}$ years.

Number at farm Feb. 1, 1880, 7

Paupers who have Died during the Year.

John Uran, Feb. 4, 1879,
James W. Harriman, Dec. 2, 1879, 2

Number discharged during the year, 20

Number of different paupers at farm during the
year, 29

Average number for the year, $10\frac{1}{2}$

TWELFTH ANNUAL REPORT

OF THE

OVERSEER OF THE POOR FOR THE YEAR END-
ING JANUARY 31, 1880.

To the Board of Mayor and Aldermen :

GENTLEMEN: The undersigned herewith submits the twelfth annual report of expenditures for the poor, including Wards 1 and 2, exclusive of aid rendered at the almshouse, for the year ending Jan. 31, 1880, as follows :

Families and individuals having a settlement in the city have been aided in part or in full, during the year, to the amount set opposite their respective names.

John J. Burke,	\$65.00
John J. Dadman,	35.30
Zach. C. Arlin,	111.63
Mrs. John F. Burke,	45.53
J. Everett Hutchins,	54.00
Nathaniel K. Emery,	25.38
Mrs. Clarissa Randall,	16.75
Mrs. Ralph R. Evans,	28.13
Mrs. Henry L. Chandler,	12.00
Robert A. Brown,	4.50
Mrs. Orrison Dudley,	28.50
Miss R. I. Holt (in Canaan) insane,	37.90
Mrs. James K. Page,	78.00
James N. Sullivan,	117.23
William Hutchinson, Fisherville,	55.00

Aaron Lamprey,	\$32.75	
John B. Baker,	10.50	
William Lee,	12.06	
Sylvester C. Tandy,	20.00	
Morris Lamprey,	55.50	
James Dorety,	51.49	
Mrs. Patrick Donahoe,	80.25	
Mrs. Hattie E. Bodwell,	7.00	
Charles W. Davis, Fisherville (insane),	6.25	
William Sager, Fisherville,	40.00	
F. P. Lear,	6.50	
William T. Putnam,	25.82	
Robert McMichael,	9.75	
Mrs. L. Welch,	5.50	
Charles T. Much,	13.00	
Alvin Welch,	1.28	
Franklin Doyne,	8.00	
George S. Davis,	8.50	
Town of Springfield, for support of Nelson		
Young—1878,	53.70	
Town of Springfield, for support of Nelson		
Young—1879,	22.25	
	<hr/>	\$1,184.95

Families and individuals aided having settlements in other towns in the state :

C. H. Johnson,	\$122.43	
Mrs. Delia Sippet,	120.02	
	<hr/>	\$242.45
		<hr/>
		\$1,427.40

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Received of the town of Weare, for aid		
of C. H. Johnson and family,	\$122.43	
Received of the town of Goffstown, for		
aid of Mrs. Sippet,	120.02	
Received from other sources,	2.75	
	<hr/>	\$245.20
		<hr/>
		\$1,182.20

Paid Asylum for the Insane as follows :

For board and other expenses of Betsey, wife of Michael Haynes,	\$53.39	
For board and other expenses of Abner F. Durgin,	200.19	
For board and other expenses of Ellen M. Summers,	197.09	
For board of Charles W. Davis, Fisher- ville,	5.93	
For board and expenses of W. T. Put- nam,	39.64	
	<hr/>	\$496.24
Paid State Reform School, maintenance of Daniel Sullivan,		\$78.00
		<hr/>
		\$1,756.44

COUNTY PAUPERS.

Aid to county paupers, resident in Concord, not including those at the city almshouse, as follows :

William F. Drew,	\$12.00
Benjamin G. Tucker,	35.50
Jeremiah Lynch,	38.75
Mrs. Mary Storin,	17.75
Mrs. Daniel Blackstone,	6.00
Kate Bresnahan,	30.38
Charles F. Guild,	103.00
Mrs. Ellen Woods,	6.00
Godfrey Jacobs, Jr.,	2.00
Miss Priscilla C. Walker,	29.91
Mrs. R. M. Allen,	34.75
Mrs. Nancy Dorety,	13.99
Simon F. Drew,	20.50
Mrs. Callahan McCarty,	55.25
Michael Martin,	103.00
Mrs. John F. Brown,	20.00
John Uran,	10.50
Joseph Wells,	87.98
A. S. Martin,	8.00
James C. Rowe,	7.00
L. J. Sherman,	13.62

Elizabeth Clary,	\$7.50
Mrs. Robert Smith,	78.00
Mrs. Reuben H. Palmer,	1.38
Mrs. Sylvester Kiggins,	7.72
Mrs. Mary Owens, Fisherville,	164.50
Abial Stevens,	11.00
Hiram Stevens,	21.25
George W. Foote,	15.00
Honora Noland,	50.75
Thomas Sullivan's children,	48.00
Mrs. N. Florence, Fisherville,	87.00
Moses Lull,	1.00
Mrs. R. Cooper,	98.00
Mrs. Patrick Desmond,	54.00
Joseph Godette,	13.73
Mrs. Amasa Randall,	7.50
Nathaniel G. Danforth,	8.28
Mrs. R. L. Spaulding,	13.00
Sarah A. Dudley,	104.00
George C. Beckett,	58.50
Mrs. Anna Holland,	39.00
Mrs. Martin Deveny, West Concord,	31.49
Israel Shepard,	81.00
Mrs. Nancy Pearson,	105.00
Joseph Mitchell,	10.93
Mrs. Thomas Coty,	62.75
Julius Ransom,	3.00
Mrs. Patrick Larkin, Fisherville,	36.75
George S. Ames, "	1.25
W. H. Haskell,	9.71
Mrs. John Haskell,	7.50
Mrs. Harriet E. Perkins,	22.25
Prosper Allard, Fisherville,	7.83
Jeddie Welcome,	15.75
John Welcome,	5.00
Timothy Malony,	19.00
Charles L. Feltman,	11.00
Mrs. William Hannagan,	12.00
George W. Perry,	35.00
Mrs. Charles E. Witham,	1.21
Benjamin A. Moody,	2.00
Thomas Haines,	3.00
Fred. Trudeau, Fisherville,	42.00

Benjamin P. Davis,	\$16.00
William Robinson,	48.00
William L. George,	16.50
Adelaide Duke,	17.00
Owen Mulick,	32.10
E. R. Stevens,	62.65
Frederick W. Story,	12.25
Mrs. John Haines,	40.00
Mrs. Sarah Weymouth,	3.00
Joseph Giddis,	5.00
William H. Towle,	24.08
Mrs. D. H. McLaughlin,	6.25
Mrs. Carrie G. Miner,	5.50
Wm. H. Weeks,	9.50
Joseph W. Bland,	144.00
Albert Arlin,	13.05
Mrs. Nancy Fellows,	29.00
Moses Bedford,	2.75
Mrs. Ellen Geary,	14.22
John Knight,	21.21
Mrs. Gomo, Fisherville,	26.93
Henry Bushway, "	14.00
Hannah Doyle,	6.75
Thos. Much,	25.51
Joseph Chivalier, Fisherville,	61.00
Andrew J. Drew,	25.00
Mrs. Mary Laplant,	5.50
Mrs. Lucretia Danforth,	4.80
Transient persons aided,	74.98

Amount expended for county paupers off the farm,	\$2,841.94
Seventeen persons chargeable to the county have been supported at the city alms-house all or a part of the year, at an expense of	779.75

Total amount expended by the city in main- tenance of county paupers the past year,	\$3,621.69
Total amount expended on city pauper account,	1,756.44

Making a total on pauper account for the year ending Jan. 31, 1880, of	\$5,378.13
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Of the above sum, \$562.15 was for medical and surgical attendance, \$403.40 being chargeable to the county, and the remainder, \$158.75, to the city.

Number of applications for aid the past year, four hundred and seventy-one. Entire or partial support has been rendered one hundred and forty-eight families and individuals, numbering four hundred and thirty-eight persons. Of this number, one hundred and twelve have a settlement in the city: the remaining three hundred and twenty-six have a county settlement only.

It will be noticed that there is a difference of \$338.74 between the sum paid out for paupers, as stated in expenditure account, and that which appears in this report, which is accounted for as follows: To the sum \$338.74, should be added \$120.33 due the city farm for board and clothing on county account, from which deduct \$245.20 received from the towns of Weare and Goffstown, and other sources, leaving \$213.87; and, as an offset to this amount, we have on hand over fifty cords of wood.

The duties of overseer of the poor are attended with difficulties, not so much on account of the labor to be performed, as to know when and where aid should be bestowed.

In discharging these duties, we have endeavored to make proper investigation of all applications for relief, and render such assistance as the circumstances seemed to demand, and which, in our judgment, we thought just and right.

Respectfully submitted.

J. A. COCHRAN,
Overseer of Poor.

REPORT OF THE CITY PHYSICIAN.

To the City Council :

I have made during the year ending January 31, 1880—

Visits to the almshouse,	14
Visits to those aided by the overseer of the poor,	266
Prescriptions to those aided by the over- seer of the poor,	27

The total number at the almshouse during the year has been 29 ; average number, $9\frac{1}{3}$. The small average, compared with the total, was caused by the removal of most of the county paupers to the county farm early in the year. Two deaths have taken place at the almshouse,—one of an old man who had been there a number of years, from old age ; the other of a man placed there during the year, from consumption. On the whole, the inmates have been very comfortable ; and the same good care and attention which have been shown them in previous years have continued during the past year.

It is needless for me to say that those obliged to seek a home at the public expense are in most cases advanced in years, and in a great measure unable to do anything more than to care for their individual wants, and many hardly that. It is but just and humane, that what is proper for their comfort should be rendered them. This, I am sure, has been done.

While my professional visits to the almshouse have been only fourteen during the year, it has been my custom to make frequent calls when in that neighborhood, and I have kept fully acquainted with the condition of all who have been there.

I have made a few more visits to those aided by the overseer of the poor, not at the almshouse, than in any previous year. This does not show that any serious epidemic has been among us ;—but the number of persons aided will, of course, vary in different years.

It is quite hard to answer all calls made upon me by the poor and their friends, and at the same time make no more visits than are actually necessary. The greater part, however, of those assisted have shown a willingness to make no more expense than was really needed, and have been very thankful and appreciative of all that has been done for them.

Very respectfully,

GEORGE COOK, M. D.

Concord, Feb. 20, 1880.

REPORT OF THE BOARD OF HEALTH.

To the City Council :

We have the honor to submit the following report for the year ending December 31, 1879 :

Only twelve complaints have come to us in regular form. The nature of them has been similar to those in previous years. Verbal complaints have been made to each of us ; and anonymous letters have been received, calling our attention to certain localities. It has been our custom to give advice and assistance in any matter that affects the public health or of private individuals ; but, in order to proceed according to law, every complaint should be made in proper form. Suitable blanks were furnished in all cases, when desired.

The General Statutes and the City Ordinances define, to a certain extent, the duties of health officers ; but too often we are left to decide that certain things are really nuisances before we make the attempt to remove them.

There can be no doubt that swine and cattle, kept in the compact part of the city, do create a very great nuisance. We would earnestly recommend that your honorable body properly restrict this practice by ordinance. We could then move understandingly, and the responsibility would be placed where it belongs.

SEWERS.

We have a very complete system of sewers. A large sum of money has been expended in their construction, and, if

properly cared for, they will prove a great blessing. The city government has wisely placed safeguards about them, defining the way and manner they are to be dealt with. Having done this, would it not be well to do more? We believe our sewers should be under the supervision of one man, who is properly versed in the management of sewers, and he should be held responsible for their condition. The subject of proper ventilation of the sewers has been much agitated of late. We have not learned that any one has suggested a perfect method of accomplishing this result. We are not able to do it; but it seems to us, that if every one who connects a soil-pipe with any main or branch sewer, did so in the manner prescribed by law, it would help a great deal, for every such connection would be a source of ventilation.

VITAL STATISTICS.

The registrar has given full tables of vital statistics. A careful examination of his report will be very instructive. The causes of death have been carefully tabulated by us, and make a very accurate showing of the diseases that have been among this community the past year. Great credit is due to the physicians for complying so fully and promptly with the ordinance relating to this subject.

We would call attention to certain vague terms used in some certificates of cause of death, such as "Feebleness of Constitution," "Fits," "Internal Tumor," and the like. The term *Marasmus*, as in last year's report, is made to include all those deaths of senile decay, or old age; and also those of infants, whose deaths have been caused from mal-assimilation, as it has been used synonymously in the certificates.

Consumption, the scourge of this part of the country, leads in the table, and should well claim the earnest thought of every scientific man. Typhoid and intestinal diseases seem to be on the decrease; but diphtheria has claimed twenty-one for its victims. Are these diseases in any manner preventable? We believe they are.

Our death-rate has been large. One death in every sixty of our population is too great a ratio, occurring in an intelligent community, and in one Nature has done so much for by way of healthy location.

Total number of deaths among residents, 233.

Population, 14,000.

Death-rate per thousand, nearly 17.

CAUSES OF DEATH.

Accident,	4	Embolism,	1
Alcoholism,	1	Epilepsy,	2
Apoplexy,	7	Exhaustion,	2
“ (pulmonary),	1	Fever (typhoid),	4
Ascites,	1	“ (gastric),	1
Brain congestion,	2	Gangrene,	1
Brain disease,	3	Gastric Catarrh,	1
Brain inflammation,	3	Gastro-Enteritis,	1
Bright's disease,	5	Heart Disease,	10
Bronchitis,	3	“ (valvular),	3
“ (capillary),	1	Heart Paralysis,	2
“ (chronic),	2	“ clot,	1
Cancer,	2	Hydrocephalus,	7
“ of Bladder,	1	Inflammation of Bowels,	4
“ of Liver,	1	“ of Peritoneum,	1
“ of Stomach,	1	“ (puerperal),	1
Childbed,	1	Internal Tumor,	1
Cholera Morbus,	1	Imperfect Development,	1
“ Infantum,	10	Laryngitis (chronic),	1
Consumption,	33	Leucocythemia,	1
Convulsions (infantile),	5	Lungs, Congestion of,	1
Cystitis (chronic),	2	“ Disease of,	1
Diabetes,	1	“ Gangrene of,	1
Diarrhœa,	2	“ Hemorrhage from,	1
Diphtheria,	21	Marasmus,	23
Dropsy,	1	Meningitis,	1

Metritis,	1	Stomach, Hemorrhage	
Ovarian Tumor,	1	from,	1
Paralysis,	14	Stomach, Ulceration of,	1
Pneumonia,	7	Syncope,	1
“ Typhoid,	4	Tubercular Disease of	
Premature Birth,	4	Stomach and Bowels,	1
Rheumatism (chronic),	1	Unknown,	2
Scrofula,	1	Whooping Cough,	2
Suicide,	1		

JOHN CONNELL,
 GEORGE COOK, M. D.,
 ALFRED E. EMERY, M. D.,

Concord, Feb. 1, 1880.

Board of Health.